

MATERIAL SAFETY DATA SHEET

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE Tite'N for Screws
Item number: 01-82362
Product Type: Adhesives

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	%	Exposure Limits
Acetone	67-64-1	30-60	TWA: 1188 STEL: 1782 mg/m3 ACGIH TWA: 500 STEL: 750 ppm ACGIH TWA: 1000 ppm OSHA TWA: 2400 mg/m3 OSHA
Isobutyl acetate	110-19-0	10-30	TWA: 713 mg/m3 ACGIH TWA: 150 ppm ACGIH TWA: 150 ppm OSHA TWA: 700 mg/m3 OSHA
Filler		1-10	TWA: 10 mg/m3 ACGIH total TWA: 3 mg/m3 ACGIH respirable TWA: 6 mg/m3 Other
Filler		1-10	TWA: 6 mg/m3 OSHA TWA: 3 mg/m3 ACGIH respirable TWA: 10 mg/m3 ACGIH TWA: 6 mg/m3 NIOSH
Resin		30-60	Not established.
Substituted phthlate		1-10	Not established.
Polymeric plasticizer		1-10	Not established.

3. HAZARDS IDENTIFICATION

****EMERGENCY OVERVIEW****

PHYSICAL STATE:Liquid. COLOR:Clear. ODOR: Characteristic.

DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR.
VAPOR MAY CAUSE FLASH FIRE.
HARMFUL IF INHALED.
CAUSES SEVERE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.

Potential Health Effects

Eye:

Severe eye irritation. Blurred vision. Excess tearing. Pain and discomfort.

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Skin:
Moderate skin irritation. Redness.

Ingestion:
Aspiration hazard if swallowed- can enter lungs and cause damage.

Inhalation:
May be harmful if inhaled.

Conditions Aggravated by Exposure:
Respiratory disorders. Skin disorders. Eye disorders.

Chronic:
Detailed information provided in section 11.

4. FIRST AID MEASURES

Eye:
Immediately flush eyes with plenty of water for at least 15 minutes.
Get medical attention.

Skin:
Immediately flush skin with plenty of water (using soap, if available)
for at least 15 minutes. Wash clothing before reuse. Get medical
attention if irritation develops and persists.

Ingestion:
Keep individual calm. DO NOT induce vomiting. Get medical attention.

Inhalation:
Remove to fresh air. If not breathing, give artificial respiration.
If breathing is difficult, give oxygen. Get medical attention
immediately.

Note to Physician:
None.

5. FIRE FIGHTING MEASURES

Flash Point:
CLOSED CUP : 0.F (-18.C). Pensky-Martens.

Extinguishing Media:
Flammable liquid, insoluble in water.
Use DRY chemical powder.

Flammable Limits:
Not available.

Special Fire Fighting Procedures:
Fire fighters should wear positive pressure self-contained breathing
apparatus (SCBA) and full turnout gear.

Hazardous Combustion Products:
Oxides of carbon. Irritating organic fragments.

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Unusual Fire or Explosion Hazards:

Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition and flash back.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak:

Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away.

7. HANDLING AND STORAGE

Handling:

Keep away from heat, sparks and flame. Avoid contact with eyes. Avoid breathing vapor or mist. Avoid contact with skin and clothing. Wash thoroughly after handling.

Storage:

Store in a segregated and approved area. Keep in a cool and well-ventilated area. Keep container tightly closed and sealed until ready to use.

For information on product shelf life, contact Loctite Customer Service at 1(800)243-4874

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Not normally needed. General room ventilation is usually adequate.

Eye/Face Protection:

Chemical splash goggles or safety glasses with side shields. Full face shield should be used if the potential exists for splashing or spraying of product.

Skin Protection:

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

Respiratory Protection:

Use a NIOSH approved air-purifying respirator with an organic and vapor cartridge. Use a full face supplied air respirator if airborne concentrations exceed established exposure limits.

See Section 2 COMPOSITION/INFORMATION ON INGREDIENTS for exposure limits

9. PHYSICAL AND CHEMICAL PROPERTIES

Color: Clear.
Material State: Liquid.
Odor: Characteristic.

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Boiling point: Not available.
pH: Not applicable.
Solubility in Water: Slightly soluble
Specific gravity: 0.81to 0.82
VOC: Not available.
Vapor Pressure: Not available.
Vapor density: Not available.
Evaporation Rate: Not available.

10. STABILITY AND REACTIVITY

Stability:
Stable.
Conditions to Avoid:
None known
Incompatibility:
Oxidizing agents, Acids. Alkalis. Strong oxidizers.
Hazardous Polymerization:
Will not occur.
Hazardous Decomposition Products:
None known

11. TOXICOLOGY INFORMATION

Product Toxicology Data:
Not available.

Ingredient	NTP	Carcinogen	
		IARC	OSHA
Acetone	No	No	No
Isobutyl acetate	No	No	No
Filler	No	No	No
Filler	No	N/A	No
Resin	No	No	No
Substituted phthlate	No	No	No
Polymeric plasticizer	No	No	No

Key to abbreviations:
IARC N/A - Not applicable.

Ingredient	Health Effects/Target organs
Acetone	Blood. Central nervous system. Irritant.
Isobutyl acetate	Central nervous system. Irritant.
Filler	Nuisance dust.
Filler	Nuisance dust
Resin	Not available.
Substituted phthlate	Irritant. Central nervous system.
Polymeric plasticizer	No Records.

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12. ECOLOGICAL INFORMATION

Ecological Information:
None known

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal:
Dispose according to EPA and local governmental regulations.
EPA Hazardous Waste Number:
Not applicable.

14. TRANSPORTATION INFORMATION

Domestic Transportation (D.O.T. 49 CFR)-GROUND

Shipping Description:
Shipping name: (More than 1L) Adhesives, containing a flammable liquid
Class/Division: 3
Identification Number: UN1133
Packing group: II

Exceptions:
(Not more than 1L) Consumer Commodity ORM-D

International Air Transportation (ICAO/IATA)-

Shipping description:
Shipping name: Adhesives, containing a flammable liquid
Class/Division: 3,
Identification Number: UN1133
Packing group: II

Exceptions:
None.

Marine pollutant:
None known

15. REGULATORY INFORMATION

SARA Title III Section 313 Chemicals:
None.

SARA Title III Section 311/312:
Fire, Immediate health hazard

Toxic Substances Control Act:
All components are listed on or are exempt from listing on the Toxic
Substances Control Act Inventory.

TSCA Section 12(b) annual:
None.

TSCA Section 12(b) one time:
Acetone

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Canadian Inventory Status:

All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

California Proposition 65:

This product contains no chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

16. OTHER INFORMATION

NFPA Code:

Health: 2
Flammability: 3
Reactivity: 0
Special: None

HMIS Code:

Health: 2 *
Flammability: 3
Reactivity: 0
Protective Equipment: See Section 8.

(24hr.) Phone: (440) 937-7000